

### **Purchasing Receipts**

|          | Supplier  | No | No | -                  | Purchased<br>Item  | Description  | For<br>Part<br>No | Project | Equipment<br>ID | Order<br>Qty | Due<br>Date | Received<br>Quantity | Accounting<br>Job No | Container<br>No | Status  | Receive<br>Date | Price/Unit     | Aging<br>Days | Pas<br>Due |
|----------|-----------|----|----|--------------------|--|--|-------------------|---------|-----------------|--------------|-------------|----------------------|----------------------|-----------------|---------|-----------------|----------------|---------------|------------|
| PO039927 | ACI001-VC | 4  | 1  | Net 30             | MT-4140-B-<br>1.000X1.000  | 4140 Steel Bar<br>1.000 X 1.000 :<br>AISI 4140N<br>STEEL BAR PER<br>MIL-S-5626,<br>AMS 6382, AMS<br>6349, AMS 6529<br>Feceive ft   |                   |         |                 | 24           | 6/5/2018    | 12                   |                      | S077651 XII     | Stock   | 6/4/2018        | \$ 20.42 / ft  | 0             |            |
|          |           | 6  |    |                    | -  | AISI 4140 Round<br>Bar<br>MATERIAL:AISI<br>4140 ROUND<br>BAR MINIMUM<br>ROCKWELL C =<br>20 Rc MAXIMUM<br>ROCKWELL C =<br>38 Rc<br>SPECIFICATION:<br>ASTM A29, AMS<br>6349, AMS 6382,<br>AMS 6529 |                   |         |                 | 12           |             | 12                   |                      | S077652         | Stock   | 6/4/2018        | \$ 90.70 / ft  | 0             |            |
|          |           | 7  |    |                    | 75005,000  | 4140 Steel Sheet 2,750 X 5,000: MATL: AISI 4140 /4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395 receive ft                                  |                   |         |                 |              |             | 12                   |                      | S077653 S       | Stock   | 6/4/2018        | \$ 133.17 / ft | 0             |            |
|          |           | 8  |    |                    | 250X2.000  | AISI 4140 Steel Bar: MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 22 Rc ASTM 8829, AMS 6395   |                   |         |                 | 6            |             | 6                    | s                    | 077654 S        | Stock 6 | 5/4/2018        | 5 35.83 / ft   | 0.            |            |
|          |           | 10 |    | M                  | A<br>A<br>3  | MATERIAL: MSI 303 SS BAR MS PER ASTM MS2 NOTE: AISI 04/316 NOT MCCEPTABLE  |                   |         |                 | 12           |             | 13                   | Si                   | 077655 S        | tock 6  | /4/2018 S       | 68.92 / ft     | 0             |            |
|          |           | 13 |    | 1000 C 100 F-100 E | 3 3 M 4 S O M R R 2 E R R R 3 3 2  | ISI 4140 Steel heet 2.250" x .0000" : 1 .0000" : 1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .   |                   |         |                 |              |             | 12                   | Sc                   | 077656 S1       | tock 6/ | 4/2018 S        | 74.33 / ft     | 0             |            |
|          |           | 14 |    |                    | A140-S-<br>75X4.500 SH<br>M.4<br>/4<br>SH<br>PL<br>RC<br>288<br>RC<br>32 | SI 4140 Steel neet/Plate AT'L: AISI 4140 1142 STEEL HEET OR ATE MINIMUM DCKWELL C = RC MAXIMUM DCKWELL C = RC ASTM 29, AMS 6395  |                   |         |                 |              |             | 12                   | so                   | 777657 Ste      | ock 6/4 | 4/2018 S 2      | 29.50 / ft     | 0             |            |

Plex 6/4/2018 1:56 PM Dart.Dubois.Pascal



Dart Aerospace Ltd. 1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada

PURCHASE ORDER PO039927

Tel (613) 632-5200

Supplier: ACI001-VC

Acier Ouellette Inc. 935 Boul. Du Havre

Valleyfield QC

J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696 PO No: PO039927

PO Date: 5/17/18

Due Date: 5/22/18

Purchase Order Revision:

Revision Date:

Ship-To Contact: La

Lavoie, ChantalPhone:

clavoie@dartaero.com

Ship To:

1270 Aberdeen Street

Hawkesbury

ON

K6A 1K7 Canada Phone: 613-632-5200 Via:

Ground Net 30

Pymt Terms: Freight Terms:

Special Comments:

| Line<br>Item   | Part                      | Supplier<br>Part No | Description  | Status | Due<br>Date |        | Received<br>Quantity |        | Unit<br>Price (CAD)           | Extended<br>Price |
|----------------|---------------------------|---------------------|--|--------|-------------|--------|----------------------|--------|-------------------------------|-------------------|
| 1              | M1018R0.187               |                     | M1018R0.187<br>: MATERIAL: AISI 1018-<br>1025 ROUND BAR<br>M1010S20GA AS PER<br>MIL-S-7097 OR ASTM<br>A108<br>receive ft             | Firmed | 5/22/18     | 12 ft  | O ft                 | 12 ft  | \$0.125833/ft                 | \$1.51            |
| 2              | M304R.313                 |                     | 304 SS Round bar .313<br>: MATERIAL: AISI 304/316<br>SS ROUND BAR AS PER<br>ASTM A276 NOTE: AISI<br>303 NOT ACCEPTABLE<br>receive ft | Firmed | 5/22/18     | 12 ft  | O ft                 | 12 ft  | \$0.91/ft                     | \$10.92           |
| 3              | M304R.500                 |                     | 304 SS roundbar .500<br>: MATERIAL: AISI 304/316<br>SS ROUND BAR AS PER<br>ASTM A276 NOTE: AISI<br>303 NOT ACCEPTABLE<br>receive ft  | Firmed | 5/22/18     | 144 ft | O ft                 | 144 ft | \$2.3345/ft                   | \$336.17          |
| Line Item Note | 12 length of 12 ft        |                     |  |        |             |        |                      |        |                               |                   |
| 4              | MT-4140-B-<br>1.000X1.000 |                     | 4140 Steel Bar 1.000 X<br>1.000<br>: AISI 4140N STEEL BAR<br>PER MIL-S-5626, AMS<br>6382, AMS 6349, AMS<br>6529<br>receive ft        | Firmed | 5/31/18     | 24 ft  | 24                   | 24 ft  | \$20.41666/ft<br>JUN # 4 2019 |                   |

|                |                           |                     | Item   | s      |             |                   |                      |         |  |                                 |
|----------------|---------------------------|---------------------|--|--------|-------------|-------------------|----------------------|---------|--|---------------------------------|
| Line           | Part                      | Supplier<br>Part No | Description  | Status | Due<br>Date | Order<br>Quantity | Received<br>Quantity | Balance | Unit<br>Price (CAD)                      | Extended<br>Price               |
| 5              | MT-4140-R1.625            |                     | AISI 4140 Round Bar  MATERIAL:AISI 4140 ROUND BAR MINIMUM ROCKWELL C = 20 Rc MAXIMUM ROCKWELL C = 38 Rc SPECIFICATION: ASTM A29, AMS 6349, AMS 6382, AMS 6529                                    | Firmed | 5/22/18     | 20 ft             | O ft                 | 20 ft   | \$10.291/ft                              | \$205.82                        |
| 6              | MT-4140-R4.000            | 7"                  | AISI 4140 Round Bar<br>MATERIAL:AISI 4140<br>ROUND BAR<br>MINIMUM ROCKWELL C<br>= 20 Rc<br>MAXIMUM ROCKWELL C<br>= 38 Rc<br>SPECIFICATION:<br>ASTM A29, AMS 6349,<br>AMS 6382, AMS 6529          | Firmed | 5/25/18     | 12 ft             | 17                   | 12 ft   | \$90.69666/ft                            | \$1,088.36<br>DAS<br>11<br>9-89 |
| ine Item Note  | 2 pcs of 6 ft             |                     |  | 1      |             |                   |                      |         |  |                                 |
| 7              | MT-4140-S-<br>2.750X5.000 |                     | 4140 Steel Sheet 2.750 X<br>5.000<br>: MAT'L: AISI 4140 / 4142<br>STEEL SHEET OR<br>PLATE<br>MINIMUM ROCKWELL C<br>= 28 Rc<br>MAXIMUM ROCKWELL C<br>= 32 Rc<br>ASTM A829, AMS 6395<br>receive ft | Firmed | 5/22/18     | 12 ft             | 12                   |         | \$133.16666/ft<br>N 0 4 <b>2018</b>      | DAS<br>11<br>9-89               |
| Line Item Note | 2 pcs of 6 ft             |                     |  |        |             |                   | 1                    |         |  |                                 |
| 8              | MT-4140-S-<br>1.250X2.000 |                     | AISI 4140 Steel Bar<br>: MATERIAL :<br>AISI 4140 / 4142 STEEL<br>SHEET OR PLATE<br>MINIMUM ROCKWELL C<br>= 28 Rc<br>MAXIMUM ROCKWELL C<br>= 32 Rc<br>ASTM A829, AMS 6395                         | Firmed | 5/22/18     | 6 ft              | 6                    | 6 ft    | \$35.8333/ft<br>UN D 4 2019              | \$215.00<br>DAS<br>11<br>9-89   |
| 9              | MT-1144-R0.500            |                     | 1144 Steel Proof Round<br>Bar 0.500"   | Firmed | 5/22/18     | 20 ft             | O ft                 | 20 ft   | \$1.1755/ft                              | \$23.51                         |
| 10             | M303B1.000X2.000          |                     | 303 Bar 1" X 2"<br>: MATERIAL: AISI 303 SS<br>BAR AS PER ASTM A582<br>NOTE: AISI 304/316 NOT<br>ACCEPTABLE   | Firmed | 5/25/18     | 12 ft             | 125                  | 12 ft   | \$68.91666/ <del>n</del><br>IUN 0 4 2018 | \$827.00<br>DAS<br>11<br>9-89   |

| Line          |                           | Supplier | Items   |        | Due     | Order    | Received |         | Unit                                     | Extende |
|---------------|---------------------------|----------|---|--------|---------|----------|----------|---------|--|---------|
| ltem          | Part                      | Part No  | Description   | Status | Date    | Quantity | Quantity | Balance | Price (CAD)                              | Price   |
| 11            | M6061T6B0.375X1.000       |          | 6061T6 Bar .375 X 1.00<br>: MATERIAL: 6061-<br>T6/T651/T6510/T6511/T62<br>ALUMINUM BAR PER<br>QQ-A-225/8 OR AMS-QQ-<br>A-225/8 OR AMS<br>4117/4128/4115/4116 OR<br>QQ-A-200/8 OR AMS-QQ-<br>A-200/8 OR AMS 4160<br>OR ASTM B211 OR<br>ASTM B221<br>receive ft | Firmed | 5/18/18 | 40 ft    | 0 ft     | 40 ft   | \$1.575/ft                               | \$63.0  |
| 12            | M4130NS.080               |          | AISI 4130 Steel Sheet<br>: MATERIAL: AISI 4130N<br>STEEL SHEET AS PER<br>OR AS PER AMS 6345<br>MIL-S-18729 OR AMS<br>6350 OR AMS 6351   | Firmed | 5/22/18 | 18 sf    | 0 sf     | 18 sf   | \$22.005555/sf                           | \$396.1 |
| ine Item Note | 1 PCS 3 FT X 6 FT         |          |   |        |         |          |          |         |  |         |
| 13            | MT-4140-S-<br>2.250X3.000 |          | AISI 4140 Steel Sheet 2.250" x 3.000" : MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395   | Firmed | 5/22/18 | 12 ft    | 12       | 12 ft   | \$74.3333/ <del>ft</del><br>JUN 0 4 2018 |         |
| ine Item Note | 2 pcs of 6 ft             |          |   |        |         |          |          |         |  |         |
| 14            | MT-4140-S-<br>0.375X4.500 |          | AISI 4140 Steel Sheet/Plate MAT'L: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc ASTM A829, AMS 6395  | Firmed | 5/30/18 | 12 ft    | 12       | 12 ft   | \$29.50/ft JUN 0 4 201                   |         |
|               | 2 pcs of 6 ft             |          |   |        |         |          |          |         |  |         |

#### **Order Notes**

**Procurement Quality Clauses** 

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit <a href="https://www.dartaerospace.com">www.dartaerospace.com</a> for further explanation.

Plex 5/17/18 2:39 PM dart.lavoie.chantal



Billed to

Shipped to

, Ontario,

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

935, Boul. du Hâvre
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Date Customer N° 2018/05/17 CLI0001056

Your order N°

**Delivery date** 

2018/06/04

39927 Eric Kaehlert

Salesman Processed by

**OUELLETTE VALLEYFIELD** 

Att : CHANTAL LAVOIE Tél.: 613-632-5200

**Credit Terme** 

Carrier

Net 30 Days

| Instruction F-M                               | <b>Delivery Route</b> | 5     |          | Page | е      |     | 1    |                   |          |              |
|---|-----------------------|-------|----------|------|--------|-----|------|-------------------|----------|--------------|
| Product Description                           | Woight                | Q.    | K        |      | PCS NB | B   | I    | Internal Use Only | Use 0    | inly         |
|   | AACIGIIC              | Αιλ   | 0/14     | CMD  | EXP    | в/о | NI   | S                 | C        | TUO          |
| 1 FLAT SS 1 X 2 SS303 NS                      | 81.60                 | 12.00 | PI_\$CLB |      |        |     |      |                   |          |              |
| FSS-12303 <b>10712</b>                        |                       |       |          |      |        |     | /    |                   |          |              |
| 1 X 12'                                       | 7.0                   |       |          |      | 12:5   |     | 12.5 |                   |          |              |
| LINE#10                                       |                       |       |          |      |        |     |      |                   | <u> </u> | SHIZ 7 D NOT |
| AC16488-JG-2018-05-31<br>Heat: 274196         |                       |       |          |      |        |     |      |                   |          | DAS          |
| 2 PLATE 4140 HEAT TREAT 1 NS<br>P4140-1H 8796 | 163.36                | 4.00  | PI2      |      |        |     |      |                   |          | 9            |
| 4 PCS 1" SQ X 6'                              | 3.7                   |       |          |      | 1      |     | 170  |                   |          |              |
| LINE#4  | 1                     |       |          |      | 420    |     | 9    |                   |          | BUILT TO NOT |
| AC16486-EU-2018-05-31<br>HEAT : C703742       |                       |       |          |      |        |     |      |                   |          | TA O         |
|   |                       |       |          |      |        |     |      |                   |          | 種もので         |

NIR: R-109516-6



Billed to

Shipped to

, Ontario,

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

ACIER OUELLETTE INC.

935, Boul. du Hâvre Salaberry de Valleyfield (Québec) J6S 5L1 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Date **Customer Nº** 2018/05/17 CLI0001056

**Delivery date** 

2018/06/04

Your order N°

Processed by

39927

Salesman

Eric Kaehlert

Carrier

Net 30 Days **OUELLETTE VALLEYFIELD** 

Page **Credit Terme** 

Att : CHANTAL LAVOIE Tél.: 613-632-5200

| Instruction F-M                        | Delivery Route | 5          | raye     |         |       |                   |       |
|--|----------------|------------|----------|---------|-------|-------------------|-------|
| Drodent Donorintion                    | Woight         |            | <b>S</b> | PCS NB  | H     | Internal Use Only |       |
| Floader Description                    | Meidur         | ν.γ<br>Viλ | CMD CMD  | EXP B/O | IN    | I S C             | OUT   |
| 3 PLATE 4140 HEAT TREAT 2 3/4 NS       | 561.55         | 5.00 PI2   | 2        |         |       |                   |       |
| P4140-234H <b>10335</b>                |                |            |          |         |       |                   |       |
| 2 PCS 5" X 72"                         |                |            |          | 326     | 7     | 2                 | 2770  |
| LINE#7                                 |                |            |          |         | ,     | JUN U             | DAS   |
| AC-16486-FU-2018-05-31<br>Heat: 303186 |                |            |          |         |       | 9-89              | 9-89  |
| Ш                                      | 51.05          | 1.00 PI2   | 2        |         |       |                   |       |
| P4140-114H <b>8506</b>                 |                |            |          |         | ·<br> |                   |       |
| 1 X 6'                                 |                |            |          | 11/6    | 2)    | DIC TO NIT        | GUECO |
| LINE#8                                 |                |            |          |         | 6     |                   |       |
| AC16486-FU-2018-05-31<br>Heat: 300188  |                |            |          |         |       | 75                | -73   |
|  |                |            |          |         |       |                   | C     |

NIR: R-109516-6



Billed to

Shipped to

, Ontario,

DART AEROSPACE LTD

1270 , ABERDEEN ST. HAWKESBURY, Ontario, K6A 1K7

ACIER OUELLETTE INC.

935, Boul. du Hâvre Salaberry de Valleyfield (Québec) J6S 5L1 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Date **Delivery date Customer N°** 2018/05/17 CLI0001056 2018/06/04

Your order N° 39927

Salesman

Processed by

Eric Kaehlert

**Credit Terme** 

Carrier

**OUELLETTE VALLEYFIELD** 

Att: CHANTAL LAVOIE Tél.: 613-632-5200

ω Net 30 Days

| THELIACTION                           | ביים | Delivery Nouce | ·    |      | ,   |        |     |        |  |       |             |
|---------------------------------------|------|----------------|------|------|-----|--------|-----|--------|--|-------|-------------|
| Drod of Dooringing                    |      | Woight         | Q.   |      |     | PCS NB | B   | _      | Internal Use Only  | Use C | nly         |
| riodact bescription                   |      | Meight         | γιγ  | 0/14 | CMD | EXP    | в/о | NI     | S I  | С     | ОИТ         |
| 5 PLATE 4140 HEAT TREAT 2 1/4 NS      |      | 275.67         | 3.00 | PI2  |     |        |     |        |  |       |             |
| P4140-214H 9352                       |      |                |      |      |     |        |     | /      |  |       |             |
| 2×6′                                  |      |                |      |      |     |        |     | -<br>ر |  |       |             |
| 2                                     | -    |                |      |      |     | るが     |     | 7      | Ç  |       | THE DAS     |
| LINE#13                               |      |                |      |      |     | Ş      |     | 1      |  |       | <b>5</b>    |
| AC16486-FU-2018-05-31<br>Heat: 302967 |      |                |      |      |     |        |     |        |  |       |             |
| 6 PLATE 4140 HEAT TREAT 3/8 NS        |      | 68.89          | 4.50 | PI2  |     |        |     |        |  |       |             |
| P4140-38H <b>8806</b>                 |      |                |      |      |     |        | •   |        |  |       |             |
| 2 PCS 4-1/2" X 72"                    |      |                |      |      |     | 2 1    | _   | F)     | name of the same o | 2     |             |
| LINE#14                               |      |                |      |      |     | 2      |     | ,      |  |       |             |
| AC16486-FU-2018-05-31<br>Heat: £98132 |      |                |      |      |     |        |     |        |  |       | <b>1</b> 00 |
|                                       |      |                |      |      |     |        |     |        |  |       |             |

NIR: R-109516-6

CO00090241

|   | AC16487-VA-2018-05-24<br>Heat: B41492 | LINE#6 | 2 X 6'         | 7 ROUND 4140 ANNEALED 4 (R)<br>R4140-4A <b>4963</b> |  |  | Instruction F-M Deliver   | Att : CH/                                     | ), K6A 1K7  |  | ROSPACE LTD   |            | Fax: 450                           | <i>ne</i> Salaberry  | 935, Bou   |
|---|---------------------------------------|--------|----------------|---|--|--|---|---|---|--|---|------------|------------------------------------|--|--|
|   |                                       |        |                | 528.84  | Meidill  | Weight   | Route 5   |   |   |  | 6   |            | -377-5696 Mtl: 514                 | de Valleyfield (Qué  | 935, Boul. du Hâvre  |
|   |                                       |        |                | 12.00   |  |  |   | ·él.: 613-632-520                             |   |  |   |            | -336-4246 Ext.: 866                | bec) J6S 5L1   |  |
|   |                                       |        |                | PI  |  | 2  |   | ŏ   |   |  |   |            | 6-456-4242                         | 0-667-4748   |  |
|   |                                       | X      |                |   | $\vdash$   | P  | Page  | Credit To                                     | Carrier   | Salesma  | Process   | Your ord   | Delivery                           | Date   | Customer N°  |
| - |                                       | 6      |                |   | Р В/О  | CS NB  |   | erme  |   | 3  | ed by   | er N°      | date                               |  | N No   |
|   | \$ <b>3</b>                           | DAS    | 7 JUN 0 4 7018 |   | IN I S C   | Internal Use Only  | 4   | Net 30 Days                                   | OUELLETTE VALLEYFIELD   |  | Eric Kaehlert   | 39927      | 2018/06/04                         | 2018/05/17   | CLI0001056   |
|   |                                       |        |                | 87-VA-2018-05-24 W<br>841492 W                      | ROUND 4140 ANNEALED 4 (R)  R140-4A  4963  2 X 6'  LINE#6  AC16487-IA-2018-05-24 Heat: B41492  AC14487-IA-2018-05-24 Heat: B41492  AC1487-IA-2018-05-24 Heat: B41492  AC1487-IA-2018-05- | ROUND 4140 ANNEALED 4 (R) 528.84 12.00 PI CMD EXP B/O IN I R4140-4A 4963  2 X 6'  LINE#6  ACI6487-14-2018-05-24 Heat: B41492 | Product Description  Weight Qty U/M CMD EXP B/O IN  ROUND 4140 ANNEALED 4 (R)  RA140-4A 4963  2 X 6'  LINE#6  AC16487-1/4-2018-05-24 Heat: B41492  AC16487-1/4 | Struction F-M   Delivery Route   5   Page   4 | Att : CHANTAL LAVOIE Tél.: 613-632-5200  Credit Terme Net 30 Dalivery Route 5  Product Description  Weight Qty U/M CMD EXP B/O IN  RAU10-4A 4963  2 X G | Att: CHANTAL LAVOIE Tél:: 613-632-5200    Delivery Route   5 | Salesman  Carrier  OUELLET  Att: CHANTAL LAVOIE Tél.: 613-632-5200  Delivery Route  Segit Terme  Net 30 Ds  Page  4  PCS NB  S28.84  12.00  PI  Att.  S28.84  12.00  PI  Att.  Att.: CHANTAL LAVOIE Tél.: 613-632-5200  Page  4  Att.: CHANTAL LAVOIE Tél.: 613-632-5200  Page  Att.: CHANTAL LAVOIE Tél.: 613-632-5200  Att.: CHANTAL LAVOIE Tél.: | Shipped to | Shipped to   Pour order N°   39927 | Shipped to   Shi | Shipped to   Shi |

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By:

Verified By :

Time

Total (\$CAD)

Customer's Signature

# 40241 rificat n'esais

Page 01 of 02

Certification Date 31-MAY-2018

**CUSTOMER ORDER NUMBER** NUMÉRO DE COMMANDE DU CLIENT

> Invoice Number T380071

PART NUMBER/NUMÉRO DE PIÈCE

AC00016488

511235

SOLD TO:

ACIER OUELLETTE INC.

SHIP TO:

ACIER OUELLETTE INC.

VENDU À:

DIVISION SALABERRY DE VAEXBYDIÉELD

DIVISION SALABERRY DE VALLEYFIELI 935, BOUL. DU HAVRE

935, BOUL. DU HAVRE

SALABERRY-DE- VALLEYFIELD

QC

J6S 5L1SALABERRY-DE- VALLEYFIE

Line Total: 84

Description:

303 CD ANN BAR ASTM A582

HEAT: 274196

ITEM: 511235

Specifications: AMS 5640 TYPE 1 V

ASTM A314 15 MIL S 862 B

ASTM A582 12 ASTM A320 17A ASME SA320 15

QQ S 764 B

ASTM A370 17

CHEMICAL ANALYSIS

C SI 0.038 0.33

MN 1.68 17.42

0.5300

CU 0.49

NI 8.10

CO 0.1440

P

0.31 0.032

ZR0.004

RCPT: R449030

COUNTRY OF ORIGIN : ITALY

MECHANICAL PROPERTIES

YLD STR

ULT TEN

%ELONG

%RED HARDNESS

DESCRIPTION

KSI 64.0

KSI 98.0

IN 02 IN 46.0

IN AREA 58.0

BHN204

GRAIN SIZE :5 -

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcrites du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifique que le guatériel couvert par ce rapport tencontre les specifications décrites ci-

> MANAGER QUALITY ASSURANCE GÉRANT DE L'ASSURANCE QUALITÉ

garne Lesprei

# CERTIFICATE OF TEST **CERTIFICAT D'ESAIS**

Page 02 of 02.

Certification Date 31-MAY-2018

CUSTOMER ORDER NUMBER NUMÉRO DE COMMANDE DU CLIENT

AC00016488

Invoice Number T380071

PART NUMBER/NUMÉRO DE PIÈCE 511235

ACIER OUELLETTE INC.

ACIER OUELLETTE INC.

SOLD TO: VENDU À: DIVISION SALABERRY DE VALLSHIFTOLD

DIVISION SALABERRY DE VALLEYFIELI

935, BOUL. DU HAVRE EXPÉDIÉ À: 935, BOUL. DU HAVRE

QC J6S 5L1SALABERRY-DE- VALLEYFIE

OC J65

Description:

303 CD ANN BAR ASTM A582

Line Total: 84

LB

1 X 2 FLAT X 12' R/L

274196

IIEM: 511235

MATERIAL IS FREE FROM MERCURY CONTAMINATION

SALABERRY-DE- VALLEYFIELD

NO WELD REPAIR PERFORMED ON MATERIAL

THERMAL TREATMENT: OK ANNEALING 1940F .5 HR

WATER

MACRO: OK MICRO1: OK

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Material did not come in contact with moreous while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-

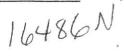
surus Keesprei

MANAGER QUALITY ASSURANCE GÉRANT DE L'ASSURANCE QUALITÉ





# Chemical certification Certification chimique



Tél.: 514-2

| Order Num / No. Commande | Vendor / Fournisseur 52 | Country of origin / Pay d'origine CHINA    | Date 11/16/17 | Heat / coulée<br>C703742 | Material ID # / No. matériel |
|--------------------------|-------------------------|--|---------------|--------------------------|------------------------------|
| Grade Nuance<br>4140 PLT | Conditions HEAT TREATED |  |               | My                       |                              |
| Shape / Forme<br>PLT     |                         | pecifications<br>STM A829, ASTM A578 CLASS | A             |                          |                              |

|                       |                       | Chemical com               | nosition / An    | alyse chimique        |                 |             |             |
|-----------------------|-----------------------|----------------------------|------------------|-----------------------|-----------------|-------------|-------------|
|                       |                       | Chemical Com               | position / An    |                       |                 |             |             |
|                       | rbon (C)              | Silicon (                  | Si)              | Manga                 | anese (Mn)      | A 10000000€ | horus (P)   |
| Mini / maxi 0.3700    | / 0.4400              | 0.1500 /                   | 0.3500           | 0.6500                | / 1.1000        | 0.0100      | 0.0190      |
| Actuel % 0            | .400                  | 0.23                       | )                | 0.0                   | 10              | 0.0         | 20          |
| Su                    | phur (S)              | Chromiu                    | m (Cr)           | Nickel                | (Ni)            | Molyb       | denum (Mo)  |
| Mini / maxi 0.0200    | / 0.0400              | 0.7500 /                   | 1.2000           | 0.1000                | / 0.2000        | 0.1500      | 0.2500      |
|                       | .003                  | 1.040                      | )                | 0.0                   | 000             | 0.2         | 00          |
| Co                    | oper (Cu)             | Vanadiu                    | m (V)            | Alumir                | ium (Al)        | Tungs       | ten (W)     |
| Mini / maxi 0.1900    | / 0.2900              | 0.0400 /                   | 0.0500           | 0.0000                | / 0.0000        | 0.0000      | 0.0000      |
| Actuel %              | .000                  | 0.000                      | )                | 0.0                   | 000             | 0.0         | 00          |
| Co                    | obalt (Co)            | Titanium (Ti)              |                  |                       |                 |             |             |
| Mini / maxi 0.000     | 0.0000                | 0.0000 / 0.0000            | 0.0000           | / 0.0000              | 0.0000 / 0.0000 | 0.0000      | / 0.0000    |
|                       | 0.000                 | 0.000                      | 0                | .000                  | 0.000           | 0.0         | 000         |
|                       |                       | Mechanical prop            | erties / Prop    | riétés Mécaniqu       | ies             |             |             |
| Yield strenght / Éla: | sticité Tensile / Rés | . à la traction Elongation | n / Allon. (%) R | ed. of area / Surface | (%) RC          | Surface     | Hd / Dureté |
| 695.000               | PSI 895.000           | PSI 16.00                  |                  | 42.00                 |                 | 293         | ВНМ         |

#### Note:

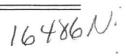
We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

Prepared by: Préparé par:





# Chemical certification Certification chimique



10335

|   | Order Num / No. Commande | Vendor / Fournisseur       | Country of origin / Pay d'origine | Date     | Heat / coulée | Material ID # / No. matériel |
|---|--------------------------|----------------------------|-----------------------------------|----------|---------------|------------------------------|
|   | AC-16486                 | 46                         | SLOVENIA                          | 12/30/17 | 303186        |                              |
|   | Grade Nuance 4140 PLT    | Conditions HEAT TREATED; E | +VD                               |          |               | ,                            |
| _ | Shape / Forme PLT        | / / /                      | pecifications<br>STM A829/A829M   |          |               |                              |

|               |                |                | Chemic        | cal com    | position /    | Analys  | e chimique       | 9      |       |        |         |                        |
|---------------|----------------|----------------|---------------|------------|---------------|---------|------------------|--------|-------|--------|---------|------------------------|
| Mini / maxi   |                | ,              | 0             | Silicon (3 | 0.3500        |         | Mang<br>0.6500   |        |       |        |         | phorus (P)<br>/ 0.0190 |
| Actuel 70     | 0.404          |                | -1            | 0.209      | ,<br>         |         | 0.0              | 505    |       |        | 0.0     | 107                    |
|               | Sulphur (      | S)             |               | Chromiu    | m (Cr)        |         | Nicke            | l (Ni) |       |        | Molyb   | denum (Mo)             |
| Mini / maxi   | 0.0200 / 0     | 0.0400         | 0             | .7500 /    | 1.2000        |         | 0.1000           | / 0.   | 2000  |        | 0.1500  | / 0.2500               |
| Actuel %      | 0.000          |                |               | 0.960      |               |         | 0.               | 110    |       |        | 0.1     | 80                     |
|               | Cooper (       | Cu)            |               | Vanadiu    | m (V)         |         | Alumi            | num (  | AI)   |        | Tungs   | ten (W)                |
| Mini / maxi   | 0.1900 / 0     | 0.2900         | 0             | .0400 /    | 0.0500        |         | 0.0090           | / 0.   | 0190  |        | 0.0000  | / 0.0000               |
| Actuel %      | 0.200          |                |               | 0.037      | •             |         | 0.               | 018    |       |        | 0.0     | 000                    |
|               | Cobalt (       | Co)            | Titan         | ium (Ti)   |               |         |                  |        |       |        |         |                        |
| Mini / maxi   | 0.0000 /       | 0.0000         | 0.0000 /      | 0.0000     | 0.0           | 000 /   | 0.0000           | 0.0    | 000 / | 0.0000 | 0.0000  | / 0.0000               |
| Actuel %      | 0.000          |                | 0.00          | 0          |               | 0.000   |                  |        | 0.000 | )      | 0.0     | 000                    |
| www.mas       |                |                | Mechanic      | al prop    | erties / Pr   | opriété | s Mécaniq        | ues    |       |        |         |                        |
| Yield strengh | t / Élasticité | Tensile / Rés. | à la traction | Elongatio  | n / Allon. (% | Red. o  | f area / Surface | e (%)  |       | RC     | Surface | Hd / Dureté            |
| 0.000         | PSI            | 0.000          | PSI           | 0.00       |               | 0.00    | )                |        |       |        | 314     | ВНМ                    |
|               |                |                |               |            |               |         |                  |        |       |        |         |                        |

#### Note:

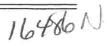
We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

Prepared by: Préparé par:

90241



# Chemical certification Certification chimique



196

|   | Order Num / No. Commande | Vendor / Fournisseur | Country of origin / Pay d'origine | Date     | Heat / coulée | Material ID # / No. matériel |  |  |  |
|---|--------------------------|----------------------|-----------------------------------|----------|---------------|------------------------------|--|--|--|
|   | AC-16486                 | 46                   | SLOVENIA                          | 04/28/17 | 300188 keep   |                              |  |  |  |
| - | Grade / Nuance           | Conditions           |                                   |          |               |                              |  |  |  |
|   | 4140 PLT                 | HEAT TREATED; C      | HEAT TREATED; Q&T E+VD            |          |               |                              |  |  |  |
| ٦ | Shape / Forme            | Size / Dimension St  | pecifications of                  |          |               |                              |  |  |  |
|   | PLT A                    | ( 1.2502Q AS         | STM A829/A829M                    |          |               |                              |  |  |  |

|              |  |                |               |                    |        | A l h ! !              |        | <del></del>  |         |             |
|--------------|--|----------------|---------------|--------------------|--------|------------------------|--------|--------------|---------|-------------|
|              |  | in we want     | Chemic        | cal composition    | on / / | Analyse chimique       | !      |              |         |             |
|              | Carbon (                                   | C)             |               | Silicon (Si)       |        | Manga                  | anese  | (Mn)         | Phosp   | horus (P)   |
| Mini / maxi  | ini / maxi 0.3700 / 0.4400 0.1500 / 0.3500 |                |               |                    |        | 0.6500                 | / 1.   | 1000         | 0.0100  | 0.0190      |
| Actuel %     | 0.400                                      |                |               | 0.227              |        | 0.0                    | 314    |              | 0.0     | 08          |
|              | Sulphur (                                  | (S)            |               | Chromium (Cr)      |        | Nickel                 | (Ni)   |              | Molyb   | denum (Mo)  |
| Mini / maxi  | 0.0200 / 0                                 | 0.0400         | 0             | .7500 / 1.2000     |        | 0.1000                 | / 0.:  | 2000         | 0.1500  | 0.2500      |
| Actuel %     | 0.001                                      |                |               | 0.970              |        | 0.2                    | 240    |              | 0.1     | 70          |
|              | Cooper (                                   | Cu)            |               | Vanadium (V)       |        | Alumin                 | ium (A | AI)          | Tungs   | ten (W)     |
| Mini / maxi  | 0.1900 / 0                                 | 0.2900         | 0             | 0.0400 / 0.0500    |        | 0.0000                 | / 0.   | 0000         | 0.0000  | 0.0000      |
| Actuel %     | 0.178                                      |                |               | 0.035              |        | 0.0                    | )25    |              | 0.0     | 00          |
|              | Cobalt (                                   | Co)            | Titan         | ium (Ti)           |        |                        |        |              |         |             |
| Mini / maxi  | 0.0000 /                                   | 0.0000         | 0.0000 /      | 0.0000             | 0.00   | 00 / 0.0000            | 0.0    | 000 / 0.0000 | 0.0000  | / 0.0000    |
| Actuel %     | 0.000                                      |                | 0.00          | 0                  |        | 0.000                  |        | 0.000        | 0.0     | 000         |
|              |  |                | Mechanic      | al properties      | / Pro  | priétés Mécaniqu       | ıes    |              |         |             |
| Yield streng | ht / Élasticité                            | Tensile / Rés. | à la traction | Elongation / Allor | 1. (%) | Red. of area / Surface | (%)    | RC           | Surface | Hd / Dureté |
| 0.000        | PSI  | 0.000          | PSI           | 0.00               |        | 0.00                   |        |              | 316     | вни         |
|              |  |                |               |                    |        |                        |        |              |         |             |

#### Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material Nous certifions que les données ci haut on été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

Prepared by: \ Préparé par:

9024/



# Chemical certification Certification chimique



9352

| Order Num / No. Commande AC-16486 | Vendor / Fournisseur<br>46      | Country of origin / Pay d'origine SLOVENIA | Date<br>12/30/17 | Heat / coulée<br>302967 | Material ID # / No. matériel |  |  |  |
|-----------------------------------|---------------------------------|--|------------------|-------------------------|------------------------------|--|--|--|
| Grade / Nuance<br>4140 PLT        | Conditions HEAT TREATED; E + VD |  |                  |                         |                              |  |  |  |
| Shape Forme PLT                   |                                 | 7.9  |                  |                         |                              |  |  |  |

|              |                    |   | Chemie        | cal com              | position     | n / Analyse   | chimique           |                    |        |                    |                    |
|--------------|--------------------|---|---------------|----------------------|--------------|---------------|--------------------|--------------------|--------|--------------------|--------------------|
| Mini / maxi  | Carbon (0.3700 / 0 |   | 0             | Silicon (<br>.1500 / |              |               | Mangan<br>0.6500 / | ese (Mn)<br>1.1000 |        | Phosph<br>0.0100 / | orus (P)<br>0.0190 |
| Actuel %     | 0.418              |   |               | 0.25                 | 4            |               | 0.75               | 2                  |        | 0.00               | 7                  |
|              | Sulphur (          | (S)                                     |               | Chromiu              | ım (Cr)      |               | Nickel (f          | Ni)                |        | Molybde            | enum (Mo)          |
| Mini / maxi  | 0.0200 / 0         | 0.0400                                  | 0             | .7500 /              | 1.2000       |               | 0.1000 /           | 0.2000             |        | 0.1500 /           | 0.2500             |
| Actuel %     | 0.000              |   |               | 0.990                | )            |               | 0.12               | 20                 |        | 0.16               | 0                  |
|              | Cooper (           | Cu)                                     |               | Vanadiu              | ım (V)       |               | Aluminu            | m (Al)             |        | Tungste            | n (W)              |
| Mini / maxi  | 0.1900 / 0         | 0.2900                                  | 0             | .0400 /              | 0.0500       |               | 0.0000 /           | 0.0000             |        | 0.0000 /           | 0.0000             |
| Actuel %     | 0.250              |   |               | 0.03                 | ı            |               | 0.03               | 80                 |        | 0.00               | 0                  |
|              | Cobalt (           | Co)                                     | Titan         | ium (Ti)             |              |               |                    |                    |        |                    |                    |
| Mini / maxi  | 0.0000 /           | 0.0000                                  | 0.0000 /      | 0.0000               | (            | 0.0000 / 0.0  | 0000               | 0.0000 /           | 0.0000 | 0.0000 /           | 0.0000             |
| Actuel %     | 0.000              |   | 0.00          | 0                    |              | 0.000         |                    | 0.00               | 00     | 0.00               | 0                  |
|              |                    | *************************************** | Mechanic      | al prop              | erties /     | Propriétés    | Mécanique          | es                 |        |                    |                    |
| Yield streng | ht / Élasticité    | Tensile / Rés.                          | à la traction | Elongatio            | n / Allon. ( | (%) Red. of a | rea / Surface (    | %)                 | RC     | Surface Ho         | d / Dureté         |
| 0.000        | PSI                | 0.000                                   | PSI           | 0.00                 |              | 0.00          |                    |                    |        | 321                | ВНМ                |

#### Note:

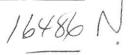
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Prepared by: / Préparé par:

9024



# Chemical certification Certification chimique



8804

|   | Order Num / No. Commande | Vendor / Fournisseur | Country of origin / Pay d'origine | Date     | Heat / coulée | Material ID # / No. matériel |
|---|--------------------------|----------------------|-----------------------------------|----------|---------------|------------------------------|
|   | AC-16486                 | 46                   | SLOVENIA                          | 01/25/17 | 298132        |                              |
|   | Grade Nuance             | Conditions           |                                   |          |               |                              |
| 1 | 4140 PLT                 | HEAT TREAT           |                                   |          |               |                              |
| 4 |                          | Size Dimension S     | pecifications                     |          |               |                              |
| 1 | PLT / 5/                 | 0.375 AS             | STM A829 / 8829M                  |          |               |                              |

|              |                 | (              |                         |            |              |                    |                     |          |                    |                     |            |
|--------------|-----------------|----------------|-------------------------|------------|--------------|--------------------|---------------------|----------|--------------------|---------------------|------------|
|              |                 |                | Chemi                   | cal comp   | osition /    | Analys             | e chimique          |          |                    |                     |            |
| Mini / maxi  | Carbon (        | 0              | Silicon (S<br>.1500 / ( |            |              | Mangar<br>0.6500 / | nese (Mn)<br>1.1000 |          | Phosph<br>0.0100 / | norus (P)<br>0.0190 |            |
| Actuel %     | 0.427           |                |                         | 0.248      |              |                    | 0.78                | 5        |                    | 0.00                | 6          |
|              | Sulphur (       | (S)            |                         | Chromium   | (Cr)         |                    | Nickel (I           | Ni)      |                    | Molybd              | enum (Mo)  |
| Mini / maxi  | 0.0200 /        | 0.0400         | 0                       | .7500 /    | 1.2000       |                    | 0.1000 /            | 0.2000   |                    | 0.1500 /            | 0.2500     |
| Actuel %     | 0.001           |                |                         | 0.970      |              |                    | 0.25                | 50       |                    | 0.19                | 0          |
|              | Cooper (        | Cu)            |                         | Vanadium   | n (V)        |                    | Aluminu             | m (Al)   |                    | Tungste             | en (W)     |
| Mini / maxi  | 0.1900 / 0      | 0.2900         | 0                       | .0400 / (  | 0.0500       |                    | 0.0000 /            | 0.0000   |                    | 0.0000 /            | 0.0000,    |
| Actuel %     | 0.136           |                |                         | 0.036      |              |                    | 0.02                | 27       |                    | 0.00                | 0          |
|              | Cobalt (        | Co)            | Titan                   | ium (Ti)   |              |                    |                     |          |                    |                     |            |
| Mini / maxi  | 0.0000 /        | 0.0000         | 0.0000 /                | 0.0000     | 0.00         | 000 / 0            | 0.0000              | 0.0000 / | 0.0000             | 0.0000 /            | 0.0000     |
| Actuel %     | 0.000           |                | 0.00                    | 0          |              | 0.000              |                     | 0.00     | 0                  | 0.00                | 00         |
|              |                 |                | Mechanic                | al prope   | rties / Pr   | opriété:           | s Mécanique         | es       |                    | -                   |            |
| Yield streng | ht / Élasticité | Tensile / Rés. | à la traction           | Elongation | / Allon. (%) | Red. of            | area / Surface (    | %)       | RC                 | Surface H           | d / Dureté |
| 0.000        | PSI             | 0.000          | PSI                     | 0.00       |              | 0.00               |                     |          |                    | 280/281             | ВНМ        |
|              |                 |                |                         |            |              |                    |                     |          |                    |                     |            |

#### Note:

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Prepared by: / Préparé par:



16487N

### CERTIFICATE OF COMPLIANCE / CERTIFICAT DE CONFORMITÉ

| Order No. / No. Commande    | CUSTOMER / CLIENT           |                            | Packing slip / No. d'expédition       | DATE          |
|-----------------------------|-----------------------------|----------------------------|---------------------------------------|---------------|
| AC00016487                  | ACIER OUELLETTE I           | NC                         | L42943-01                             | 23-05-18      |
| MATERIAL ID# / No. MATÉRIEL | GRADE / NUANCE              | HEAT TREATMENT / TRAITEMEN | T THERMIQUE                           | HEAT / COULÉE |
| 18-1045/1081                | 4140                        | ANNEALED / RECUIT          | T ADOUCI                              | B41492        |
| PAYS D'ORIGINE:             | UKRAINE                     |                            | 2                                     | 41            |
| SHAPE / FORME Round / Rond  | SIZE / DIMENSION 4.000" in. | 1                          | PECIFICATIONS<br>A 29/A 29M,A 751,A 3 | 804           |

|             | CH          | IEMICAL COMPOSITIO | N / ANALYSE CHIMIQUE | :               |
|-------------|-------------|--------------------|----------------------|-----------------|
|             |             |                    |                      |                 |
|             | Carbon (C)  | Silicon (Si)       | Manganese (Mn)       | Phosphorus (P)  |
| mini/maxi   | 0.380 0.430 | 0.150 0.350        | 0.750 1.000          | 0.035           |
| actuel (%): | 0.420       | 0.250              | 0.830                | 0.014           |
|             | Sulfur (S)  | Chromium (Cr)      | Nickel (Ni)          | Molybdenum (Mo) |
| mini/maxi   | 0.040       | 0.800 1.100        | 0.000 0.250          | 0.150 0.250     |
| actuel (%): | 0.020       | 0.920              | 0.100                | 0.210           |
|             | Copper (Cu) | Vanadium (V)       | Aluminium (Al)       | Tungsten (T)    |
| mini/maxi   | 0.350       |                    |                      |                 |
| actuel (%): | 0.130       | 0.010              | 0.033                | 0.000           |

|                       | MECHANICAL PROPERTIES / PROPRIÉTÉS MÉCANIQUES |                  |                    |                              |                                |                     |  |  |  |
|-----------------------|---|------------------|--------------------|------------------------------|--------------------------------|---------------------|--|--|--|
| Yield strength / Élas | sticité                                       | Tensile / résist | ance à la traction | Elongation / allongement (%) | Reduction of area / surface (% | surface hd / dureté |  |  |  |
|                       | PSI   |                  | PSI                | •                            |                                | 180 BHN             |  |  |  |

|    | TESTS JOMINY / JOMINY RESULTS |    |      |    |      |    |      |                |  |  |  |  |
|----|-------------------------------|----|------|----|------|----|------|----------------|--|--|--|--|
| J  | HRC                           | J  | HRC  | J  | HRC  | J  | HRC  |                |  |  |  |  |
| 01 | 57                            | 07 | 55.1 | 13 | 48.5 | 22 | 43.4 | 73,230,000,000 |  |  |  |  |
| 02 | 56.8                          | 08 | 54.2 | 14 | 48   | 24 | 42   | 2000           |  |  |  |  |
| 03 | 56.5                          | 09 | 53   | 15 | 46   | 26 | 38.5 |                |  |  |  |  |
| 04 | 56.5                          | 10 | 49.2 | 16 | 45.1 | 28 | 38   |                |  |  |  |  |
| 05 | 56                            | 11 | 49   | 18 | 44.2 | 30 | 37.2 |                |  |  |  |  |
| 06 | 56                            | 12 | 48.7 | 20 | 43.5 | 32 | 36   |                |  |  |  |  |

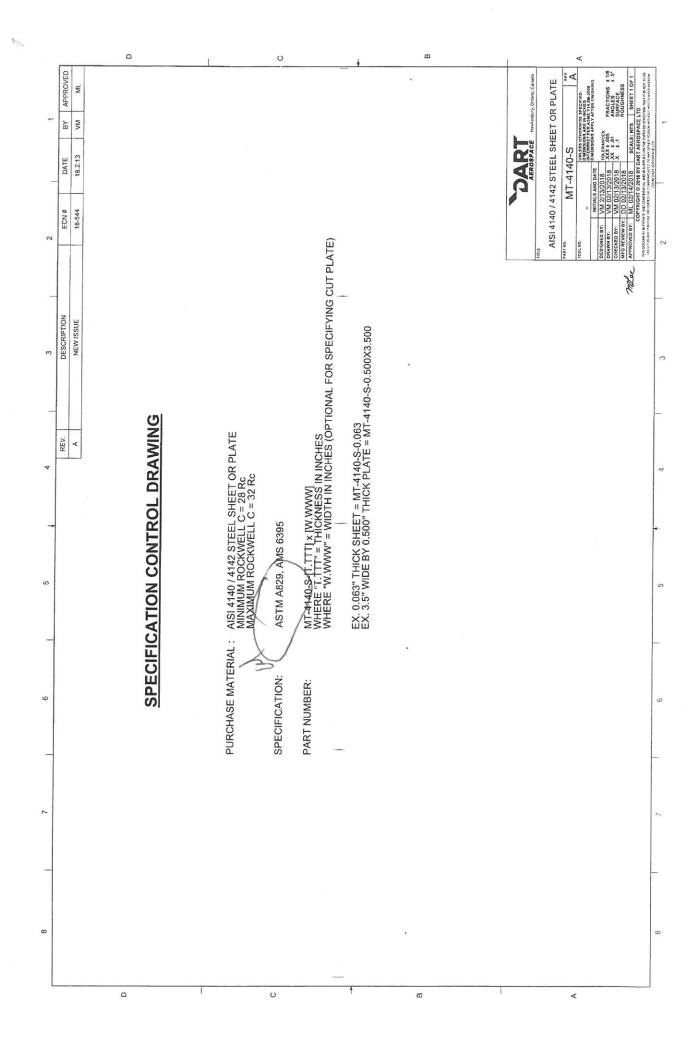
No weld repairs performed during the manufacturing of this product. We hereby certify that the above results have been verified and conform to the above mentionned specifications. Material is Mercury free, without radioactivity.

Aucune réparation exécutée par soudure durant la fabrication de ce produit. Par la présente nous attestons que les résultats ci-haut mentionnés ont été vérifiés et sont conformes aux spécifications. Pas de contact au Mercure, sans radioactivité.

| CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL SIZE OF TEST SAMPLE  | <u> 1/807</u> | o.: <u>0399</u> | PO / BATCH N                            | 75 X 4.500         | S~0.3<br>0 4 2018 | 70 -<br>JUN | 410  | MATERIAL:                              |
|--|---------------|-----------------|---|--------------------|-------------------|-------------|------|--|
| DESCRIPTION  Check Y/N)  SURFACE DAMAGE CORRECT FINISH CORROSION CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS PHOTO REQUIRED CORRECT R# TO LINK CERT CORRECT MATERIAL IDENTFICATION N CORRECT MATERIAL IDENTFICATION N CORRECT MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF TO DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTYPE OF MATERIAL SIZE OF TEST SAMPLE   |               | D: 0.37         | NESS RECEIV<br>SIZE ORDER               | THICK<br>SHEE      |                   | 5           | 12   | QUANTITY RECEIVED: QUANTITY INSPECTED: |
| SURFACE DAMAGE CORRECT FINISH CORROSION V N CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS PHOTO REQUIRED CORRECT MATERIAL IDENTFICATION CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL SIZE OF TEST SAMPLE  |               | )               | COMMENTS                                |                    |                   | eck         | (Ch  | DESCRIPTION                            |
| CORRECT FINISH CORROSION CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS PHOTO REQUIRED CORRECT MATERIAL IDENTFICATION CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTYPE OF MATERIAL SIZE OF TEST SAMPLE   |               |                 |   |                    |                   | -           |      | SURFACE DAMAGE                         |
| CORRECT GRAIN DIRECTION  CORRECT MATERIAL PER M-DRAWING  CORRECT THICKNESS  PHOTO REQUIRED  CORRECT MATERIAL IDENTFICATION  CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTYPE OF MATERIAL  SIZE OF TEST SAMPLE  |               |                 |   |                    |                   | -           |      |  |
| CORRECT MATERIAL PER M-DRAWING (Y) N A STAND A |               | 194 V. V.       |   |                    |                   | (N)         | Y    |  |
| CORRECT THICKNESS PHOTO REQUIRED CORRECT REF # TO LINK CERT CORRECT MATERIAL IDENTFICATION N CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS TYPE OF MATERIAL SIZE OF TEST SAMPLE  |               |                 |   | 1 0                | 1 /               | N           | (2)  | CORRECT GRAIN DIRECTION                |
| PHOTO REQUIRED  CORRECT REF # TO LINK CERT  CORRECT MATERIAL IDENTFICATION N  CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL  SIZE OF TEST SAMPLE  |               |                 |   | 1 4829             | ASTO              | N           |      | CORRECT MATERIAL PER M-DRAWING         |
| CORRECT REF # TO LINK CERT CORRECT MATERIAL IDENTFICATION N  CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL SIZE OF TEST SAMPLE   |               |                 | 100 100 100 100 100 100 100 100 100 100 | + 7007             | ,,,,              | N           | (Y)  | CORRECT THICKNESS                      |
| CORRECT MATERIAL IDENTFICATION N  CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  Y  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL SIZE OF TEST SAMPLE   |               | * II            |   |                    | 1 /               | (N)         | Y    | PHOTO REQUIRED                         |
| CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  Y  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL SIZE OF TEST SAMPLE   |               |                 | 77.                                     | TL 298 15          | Heat              | N           | R    | CORRECT REF # TO LINK CERT             |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL SIZE OF TEST SAMPLE  |               |                 |   | 7 707              |                   | N           | 1(3) | CORRECT MATERIAL IDENTFICATION         |
| ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  Y  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL SIZE OF TEST SAMPLE  |               | 1 4             |   |                    |                   | N           | M    | CORRECT M# ON THE MATERIAL             |
| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL  SIZE OF TEST SAMPLE  |               |                 |   |                    |                   | (N)         | Y    |  |
| RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL  SIZE OF TEST SAMPLE  |               |                 |   |                    |                   | N           | Y    |  |
| RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBS  TYPE OF MATERIAL  SIZE OF TEST SAMPLE  |               |                 |   |                    |                   |             |      |  |
| TYPE OF MATERIAL SIZE OF TEST SAMPLE  HRC HRB DUR A DUR D WEBS   |               | 3 CHECK.        |   |                    |                   |             |      | CUT SAMPLE PIECI                       |
| SIZE OF TEST SAMPLE  | EBSTER        | DUR D           |   |                    |                   |             |      |  |
| AND STATE OF THE PARTY OF THE P |               |                 |   |                    |                   |             |      | TYPE OF MATERIAL                       |
| AND STATE OF THE PARTY OF THE P |               |                 |   |                    |                   |             |      | SIZE OF TEST SAMPLE                    |
| HARDINESS / DURUWETER READING  |               |                 |   |                    |                   |             | ING  | HARDNESS / DUROMETER READI             |
| testers located in the Quality Office  |               |                 |   | the Quality Office | located in        | sters       |      |  |

| QC 18 INSPECTION |                   | ENGINEERING SIGNOFF (if required) |
|------------------|-------------------|-----------------------------------|
| INSPECTED BY:    | DAS               | SIGNED OFF BY:                    |
| DATE:            | 9-89 JUN 0 4 2018 | DATE:                             |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



| MATERIAL: M   | 2//        | 40<br>IUN   | -5-2:0<br>0 4 2018 | 230X3,09           | PO / BATCH | no.: <u>03</u> 5                                 | 727/5077 |
|---|------------|---|--------------------|--------------------|------------|--|----------|
| MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED: |            | THICKNESS ORDERED: 2.250 THICKNESS RECEIVED: 2.250 SHEET SIZE ORDERED: 1//4 SHEET SIZE RECEIVED: 1//4 |                    |                    |            |  |          |
| DESCRIPTION   | NC<br>(Che | eck   |                    |                    | COMMENT    | rs   |          |
| SURFACE DAMAGE  | Y          |   |                    |                    |            | 30/00/01   |          |
| CORRECT FINISH  | (Y)        | Ν   |                    |                    |            |  |          |
| CORROSION   | X          | (N)   |                    |                    |            |  |          |
| CORRECT GRAIN DIRECTION   | Y          | N   | A .                | A                  |            |  |          |
| CORRECT MATERIAL PER M-DRAWING  | (Y)        | Ν   | Astn               | n 4829             | 7          |  |          |
| CORRECT THICKNESS (   | (Y)        | N_  | 75,6               | 1 1001             |            |  |          |
| PHOTO REQUIRED  | Y          | (N)   | 1 1                | ,                  |            |  |          |
| CORRECT REF # TO LINK CERT  | (Y)        | N   | TRAIT              | # 302              | 767        |  |          |
| CORRECT MATERIAL IDENTFICATION  | 72         | Ν   |                    | 1)                 |            |  |          |
| CORRECT M# ON THE MATERIAL  | (Y)        | Ν   |                    |                    |            |  |          |
| DOES THIS MATERIAL REQUIRE<br>ENGINEERING SIGN OFF                                | Y          | R   |                    |                    |            |  |          |
| DOES THIS REQUIRE AN EXTRUSION REPORT   | Υ          | Ń   |                    |                    |            |  |          |
|   |            |   | 5 - 15 UX          |                    |            |  |          |
| CUT SAMPLE PIECE  | OF         | MA  | TERIAL A           | ND PREFOR          | M A HARDNE | SS CHECK.  |          |
|   | F          | REC   | ORD RES            | SULTS BELOV        | V          |  |          |
|   |            | -   | HRC                | HRB                | DUR A      | DUR D  | WEBSTER  |
| TYPE OF MATERIAL  |            |   |                    |                    |            |  |          |
| SIZE OF TEST SAMPLE   |            |   |                    |                    |            |  |          |
| HARDNESS / DUROMETER READIN   | IG         |   |                    |                    |            |  |          |
|   | te         | sters   | located in         | the Quality Office | ce         | <del>*************************************</del> |          |
|   |            |   |                    |                    |            |  |          |

| QC 18 INSPECTION   | ENGINEÈRING SIGNOFF (if required) |
|--|-----------------------------------|
| DAS<br>INSPECTED BY: 11  | SIGNED OFF BY:                    |
| and the second s | SIGNED OFF BT.                    |
| DATE: 9-89UN 0 4 2018  | DATE:                             |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

Ω | Control | Cont APPROVED AISI 4140 / 4142 STEEL SHEET OR PLATE M VM WY MT-4140-S DATE 18.2.13 ECN# 18-544 2 MT-4140-S-IT.TTT] x [W.WWW]
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE) malac DESCRIPTION NEW ISSUE EX. 0.063" THICK SHEET = MT-4140-S-0.063 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500 3 SPECIFICATION CONTROL DRAWING PURCHASE MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE MINIMUM ROCKWELL C = 28 Rc MAXIMUM ROCKWELL C = 32 Rc REV. 4 ASTM A829, AMS 6395 2 SPECIFICATION: PART NUMBER: 9 00 8 O 8 V ٥

| MATERIAL: 138                                      | 381.           | 900X       | 2,000              | PO / BATCH    | NO.: 0399  | 127/507          |
|--|----------------|------------|--------------------|---------------|------------|------------------|
| DATE:  |                |            |                    |               | ,          | ,                |
| MATERIAL CERT REC'D:                               | 1.65           |            | THIC               | KNESS ORDE    | RED: 1.0   | 00               |
| QUANTITY RECEIVED:                                 | .3             |            |                    | KNESS RECEI   |            |                  |
| QUANTITY INSPECTED:                                | 3              |            |                    | ET SIZE ORDEI |            | A                |
| QUANTITY REJECTED:                                 | N              |            |                    | ET SIZE RECEI |            | 7                |
|  |                |            |                    |               |            |                  |
|  | NCR            |            |                    |               | -          |                  |
| DESCRIPTION  | (Check<br>Y/N) |            |                    | COMMENT       | rs<br>     |                  |
| SURFACE DAMAGE                                     | YN             |            |                    |               |            |                  |
| CORRECT FINISH                                     | O M            |            |                    |               |            |                  |
| CORROSION  | Y (N)          |            |                    |               | 30         |                  |
| CORRECT GRAIN DIRECTION                            | Y N            | 1-1        | 1 ATT              |               |            |                  |
| CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS   | Y) N           | 15/10      | 17750              |               |            |                  |
| PHOTO REQUIRED                                     | YN)            |            |                    |               | 1000       |                  |
| CORRECT REF # TO LINK CERT                         | (B) N          | HON        | # 27419            | 26            |            |                  |
| CORRECT MATERIAL IDENTFICATION                     |                | 11300 7 8  | , , , , ,          | R             |            |                  |
| CORRECT M# ON THE MATERIAL                         | (Y) N          |            |                    |               |            |                  |
| DOES THIS MATERIAL REQUIRE<br>ENGINEERING SIGN OFF | Y              |            |                    |               |            |                  |
| DOES THIS REQUIRE AN                               |                |            |                    |               |            |                  |
| EXTRUSION REPORT                                   | YN             |            |                    |               |            |                  |
|  |                |            |                    |               |            |                  |
| CUT SAMPLE PIEC                                    |                |            | ND PREFOR          |               | SS CHECK.  |                  |
|  |                | HRC        | HRB                | DUR A         | DUR D      | WEBSTER          |
| TYPE OF MATERIAL                                   |                |            |                    |               |            |                  |
| SIZE OF TEST SAMPLE                                |                |            |                    |               |            |                  |
| HARDNESS / DUROMETER READI                         | NG             |            |                    |               |            |                  |
|  | testers        | located in | the Quality Office | ce            |            |                  |
|  |                |            |                    |               |            |                  |
| QC 18 INSPECTION                                   |                |            |                    | ENGINEER      | RING SIGNO | FF (if required) |
| INSPECTED BY: 11                                   |                |            | SIG                | NED OFF BY:   |            |                  |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

DATE:

JUN 0 4 2018

**RELEASE**2010 -02- 0.2

| œ          | REFORA<br>REF PAF | REFORMAT DWG, ADD<br>REF PAR 08-020A   | REFORMAT DWG, ADD SPECS (ZN D8-1),<br>REF PAR 08-020A   | 8         | 10.01.05   |
|------------|-------------------|--|---|-----------|--|
| 4          | NEW ISSUE         | SUE  |   | SO        | 02.05.29   |
| REV.       |                   |  | DESCRIPTION   | ВУ        | DATE   |
| DESIGN     | 7                 | -  | DART AFROSPACE ITD  | ACE I     | 2  |
| DRAWN      | z                 | 8  | HAWKESBURY, ONTARIO, CANADA   | IO, CANAL | . A  |
| CHECKED    | (ED               | A  | DRAWING NO.   |           | REV. B   |
| MFG. APPR. | PPR.              | R  | M303B   |           | SHEET 1 OF 1                                     |
| APPROVED   | VED               | To the same of the | TITLE   |           | SCALE  |
| DE APPR.   | PR.               | *  | 303 BAR   |           | NTS  |
| DATE       | 10.0              | 10.01.05   | COPYRIGHT © 2002 BY DART AEROSPACE LTD  PICK DODAWARI S PRIVATE DOSTSCRIPTOR AND 6 SAPECTOR THE STORES DOSTSOR WHING IN NOT TO BE USED TOO ANT PAUD SEE CORE OF COMMENCE TO TO ANY OTHER PUBLIC WHINGOT NOT TO BE USED TOO ANT PAUD SEE ONE COMMENCE TO TO ANY OTHER PUBLIC ANY OTHER PUBLIC AND | AEROSPACE | LTD<br>CONCITION THAT IT IS<br>SR PUSSON WITHOUT |

PURCHASE MATERIAL: AISI 303 SS BAR (NOTE: AISI 304/40 NOT ACCEPTABLE) ASTM A582 SPECIFICATION:

WHERE "T.TTT" = THICKNESS IN INCHES AND "WW.WWW" = WIDTH IN INCHES M303BT.TTT X WW.WWW THICK WIDTH

EG. 0.5" x 3.0" BAR = M303B0.500X03.000

SPECIFICATION CONTROL DRAWING

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4

 $\bigcirc$ 

PART NUMBER:

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9

| MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED:  QUANTITY REJECTED:  SHEET SIZE ORDERED:  QUANTITY REJECTED:  SHEET SIZE RECEIVED:  SHEET SIZE RECEIVED:  SHEET SIZE RECEIVED:  SHEET SIZE RECEIVED:  ORMENTS  YN)  SURFACE DAMAGE  CORRECT FINISH  CORRECT FINISH  CORRECT GRAIN DIRECTION  CORRECT GRAIN DIRECTION  CORRECT HICKNESS  PHOTO REQUIRED  CORRECT HICKNESS  PHOTO REQUIRED  CORRECT MATERIAL DENTEICATION  N  DOES THIS MATERIAL DENTEICATION  DOES THIS MATERIAL REQUIRE  ENGINEERING SIGN OFF  DOES THIS REQUIRE AN  EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL  SIZE OF TEST SAMPLE | MATERIAL: <u>MT-4</u><br>DATE: | 1140<br>JUN | 0 4 2018     | 250x 2.000   | PO / BATCH                    | NO.: <u>038</u> | 927/5077 |
|---|--------------------------------|-------------|--------------|--------------|-------------------------------|-----------------|----------|
| DESCRIPTION  (Check Y/N)  SURFACE DAMAGE  CORRECT FINISH  CORROSION  CORRECT GRAIN DIRECTION  CORRECT MATERIAL PER M-DRAWING  CORRECT THICKNESS  PHOTO REQUIRED  CORRECT REF # TO LINK CERT  CORRECT MATERIAL IDENTFICATION  CORRECT MHON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER   | QUANTITY RECEIVED:             | 25          |              | THI          | CKNESS RECEI<br>ET SIZE ORDEI | VED: 1.2        |          |
| CORRECT FINISH  CORROSION  CORRECT GRAIN DIRECTION  CORRECT MATERIAL PER M-DRAWING  CORRECT THICKNESS  PHOTO REQUIRED  CORRECT MATERIAL IDENTFICATION  CORRECT MATERIAL IDENTFICATION  CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE  ENGINEERING SIGN OFF  Y  DOES THIS REQUIRE AN  EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   | DESCRIPTION                    | (Chec       | ck           |              | COMMENT                       | ΓS              |          |
| CORROSION CORRECT GRAIN DIRECTION CORRECT MATERIAL PER M-DRAWING CORRECT THICKNESS PHOTO REQUIRED CORRECT MATERIAL IDENTFICATION CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL  | SURFACE DAMAGE                 | -           | N')          |              |                               |                 |          |
| CORRECT GRAIN DIRECTION  CORRECT MATERIAL PER M-DRAWING  CORRECT THICKNESS  PHOTO REQUIRED  CORRECT REF # TO LINK CERT  CORRECT MATERIAL IDENTFICATION  CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   |                                | V/          |              |              |                               |                 |          |
| CORRECT MATERIAL PER M-DRAWING V N ASTAN 20 9  CORRECT THICKNESS V N PHOTO REQUIRED V N CORRECT REF # TO LINK CERT N N CORRECT MATERIAL IDENTFICATION N N CORRECT M# ON THE MATERIAL V N DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y N DOES THIS REQUIRE AN EXTRUSION REPORT Y N EXTRUSION REPORT Y N EXTRUSION REPORT Y N N TO THE MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW HRC HRB DUR A DUR D WEBSTER TYPE OF MATERIAL   |                                |             |              |              |                               |                 |          |
| CORRECT THICKNESS PHOTO REQUIRED CORRECT REF # TO LINK CERT CORRECT MATERIAL IDENTFICATION CORRECT M# ON THE MATERIAL DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF DOES THIS REQUIRE AN EXTRUSION REPORT  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL  |                                |             | 100          | 1 4000       | ,                             |                 |          |
| PHOTO REQUIRED  CORRECT REF # TO LINK CERT  CORRECT MATERIAL IDENTFICATION ON N  CORRECT M# ON THE MATERIAL ON N  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  Y  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   |                                |             | 1/3/         | M 7807       |                               |                 |          |
| CORRECT REF # TO LINK CERT CORRECT MATERIAL IDENTFICATION  N  CORRECT M# ON THE MATERIAL Y N  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y  DOES THIS REQUIRE AN EXTRUSION REPORT Y  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL  |                                |             |              | -            |                               |                 |          |
| CORRECT MATERIAL IDENTFICATION N  CORRECT M# ON THE MATERIAL Y N  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF Y N  DOES THIS REQUIRE AN EXTRUSION REPORT Y N  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   |                                |             | 110          | 14 200       | 1500                          |                 |          |
| CORRECT M# ON THE MATERIAL  DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  Y  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   |                                | 74-407      | 1100         | 74 200       | 108                           |                 |          |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF  Y  DOES THIS REQUIRE AN EXTRUSION REPORT  Y  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL  |                                | YO .        |              |              |                               |                 |          |
| ENGINEERING SIGN OFF  DOES THIS REQUIRE AN EXTRUSION REPORT  Y  CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL  |                                | U           | IN           |              |                               |                 |          |
| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   |                                | V           | a            |              |                               |                 |          |
| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   |                                | - (         | <del>\</del> |              |                               |                 |          |
| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.  RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   |                                | v /         | $\mathbb{R}$ |              |                               |                 |          |
| RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   | EXTROGION RELIGIO              | - (         |              |              |                               |                 |          |
| RECORD RESULTS BELOW  HRC HRB DUR A DUR D WEBSTER  TYPE OF MATERIAL   |                                |             |              |              |                               |                 |          |
| TYPE OF MATERIAL HRC HRB DUR A DUR D WEBSTER  | CUT SAMPLE PIECE               | OF N        | MATERIA      | L AND PREFOR | RM A HARDNE                   | SS CHECK.       |          |
| TYPE OF MATERIAL  |                                | RE          | CORD F       | RESULTS BELO | W                             |                 |          |
|   |                                |             | HRC          | HRB          | DUR A                         | DUR D           | WEBSTER  |
| SIZE OF TEST SAMPLE   | TYPE OF MATERIAL               |             |              |              |                               |                 |          |
|   |                                |             |              |              |                               |                 |          |
| HARDNESS / DUROMETER READING  |                                | NG T        |              |              |                               |                 |          |

| QC 18 INSPECTION |                 | ENGINEERING SI | GNOFF (if required) |
|------------------|-----------------|----------------|---------------------|
| INSPECTED BY:    | DAS<br>11       | SIGNED OFF BY: |                     |
| DATE:            | 9-89UN 0 4 2018 | DATE:          |                     |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

| DESCRIPTION | DIRECTOR | DIRECT FRACTIONS ± 1/8
ANGLES ± .5\*
SURFACE
ROUGHNESS APPROVED AISI 4140 / 4142 STEEL SHEET OR PLATE ĭ BY ZART MT-4140-S DATE 18.2.13 ECN# 18-544 2 MT-4140-S-[T.TTT] x [W.WWW]
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE) metac DESCRIPTION NEW ISSUE EX. 0.063" THICK SHEET = MT-4140-S-0.063 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500 3 SPECIFICATION CONTROL DRAWING PURCHASE MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc REV. 4 4 ASTM A829, AMS 6395 2 SPECIFICATION: PART NUMBER: 9 8 ٥ O 0

| MATERIAL: Mt-   | 4/<br>JUN  | 90<br>04 | 2018     | 750 X 5,000 | ) PO/BATCH                              | H NO.: <u>039</u> | 927/507 |
|---|------------|----------|----------|-------------|---|-------------------|---------|
| MATERIAL CERT REC'D:  QUANTITY RECEIVED:  QUANTITY INSPECTED:  QUANTITY REJECTED: | 2,21       |          |          | THIC<br>SHE |   |                   |         |
| DESCRIPTION   | NC<br>(Che | ck       |          |             | COMMEN                                  | TS                |         |
| SURFACE DAMAGE  |            | N)       |          |             |   |                   |         |
| CORRECT FINISH  | (Y)        | N        |          |             |   |                   |         |
| CORROSION   | Y          | N'       | )        |             |   |                   |         |
| CORRECT GRAIN DIRECTION   | (V)        | N        |          |             | *************************************** |                   |         |
| CORRECT MATERIAL PER M-DRAWING  | (Y)        | Ν        | ASTN     | 1 AZ29      |   |                   |         |
| CORRECT THICKNESS   | (Y)        | N        | 10 14    | 100         |   |                   |         |
| PHOTO REQUIRED  | Y          | (N)      | 1        | / .         |   |                   |         |
| CORRECT REF # TO LINK CERT  | (2)        | N        | Hear     | \$\$ 303h   | 86                                      |                   |         |
| CORRECT MATERIAL IDENTFICATION  | (2)        | N        | ,        |             | 7                                       |                   |         |
| CORRECT M# ON THE MATERIAL  | X)         | Ν        |          |             |   |                   |         |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF                                   | Y          | 0        |          |             |   |                   |         |
| DOES THIS REQUIRE AN EXTRUSION REPORT   | Y          | 3        |          |             |   |                   |         |
|   | - (        | )        | <u> </u> |             |   |                   |         |
| CUT SAMPLE PIECE  | OF         | MA       | ΓERIAL A | ND PREFOR   | M A HARDNE                              | SS CHECK.         |         |
|   |            |          |          | ULTS BELO   |   |                   |         |
|   | Ť          |          | HRC      | HRB         | DUR A                                   | DUR D             | WEBSTER |
| TYPE OF MATERIAL  | T          |          |          |             |   |                   |         |
| SIZE OF TEST SAMPLE   | r          |          |          |             |   |                   |         |
| HARDNESS / DUROMETER READIN   | VG T       |          |          |             |   |                   |         |
|   |            | _        |          |             |   |                   |         |

testers located in the Quality Office

| QC 18 INSPECTION |                | ENGINEERING SIGNOFF (if re | quired) |
|------------------|----------------|----------------------------|---------|
| INSPECTED BY:    | DAS<br>11      | SIGNED OFF BY:             |         |
| DATE:            | 9-99N 0 4 2018 | DATE:                      |         |

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| INTERPRETE PER ASSET BY APPROVED AISI 4140 / 4142 STEEL SHEET OR PLATE ĭ N/ MT-4140-S 18.2.13 DATE ECN # 18-544 2 WHERE "T.TTT" = THICKNESS IN INCHES WHERE "T.TT" = THICKNESS IN INCHES WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE) motoc DESCRIPTION **NEW ISSUE** EX. 0.063" THICK SHEET = MT-4140-S-0.063 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500 3 SPECIFICATION CONTROL DRAWING PURCHASE MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc REV. V 4 ASTM A829, AMS 6395 2 SPECIFICATION: PART NUMBER: 9 8 ٥ O 8

| MATERIAL: Mt-  |             | 00                |            | PO / BATCH                | H NO.: <u>(13)</u> | 927/507    |   |             |
|--|-------------|-------------------|------------|---------------------------|--------------------|------------|---|-------------|
| MATERIAL CERT REC'D: QUANTITY RECEIVED: QUANTITY INSPECTED: QUANTITY REJECTED: | -<br>-<br>- | THIC<br>SHE       | KNESS RECE | ERED: 40 ERED: 40 ERED: 4 | 90)                |            |   |             |
| DESCRIPTION  | (Ch         | CR<br>neck<br>(N) |            |                           |                    | COMMEN     | TS                                      |             |
| SURFACE DAMAGE   | Y           | (N)               |            |                           |                    |            |   |             |
| CORRECT FINISH   | (Y)         | N                 |            |                           |                    | 10.000     |   |             |
| CORROSION  | Y           | (N)               |            |                           |                    |            | *************************************** |             |
| CORRECT GRAIN DIRECTION  | (Y          | N                 | 0 1        |                           | Λ                  |            |   |             |
| CORRECT MATERIAL PER M-DRAWING   | (Y)         | N                 | 4577       | 51                        | 12                 | 1          |   |             |
| CORRECT THICKNESS  | (Y)         | N                 | 1.         |                           | J • 1              |            |   |             |
| PHOTO REQUIRED   | X           | N                 | 1          |                           | 1                  |            |   |             |
| CORRECT REF # TO LINK CERT   | 1×          | N                 | 11000      | TH                        | 414                | B41497     | 2                                       |             |
| CORRECT MATERIAL IDENTFICATION   | 113         | N                 | V ,        |                           | - V                | 1          |   |             |
| CORRECT M# ON THE MATERIAL   | (M)         | N                 |            |                           |                    |            |   |             |
| DOES THIS MATERIAL REQUIRE   |             | 0                 |            |                           |                    |            |   |             |
| ENGINEERING SIGN OFF   | Y           | M                 |            |                           |                    |            |   |             |
| DOES THIS REQUIRE AN   | .,          | X                 |            |                           |                    |            |   |             |
| EXTRUSION REPORT   | Y           | (N)               | L          |                           |                    |            |   |             |
|  |             | $\cup$            |            |                           |                    |            |   |             |
| CUT SAMPLE PIEC  | E OE        | . ΜΔ.             | TERIAL A   | AND E                     | PEFOR              | M A HARDNE | SS CHECK                                |             |
| COT SAMIFLE FIEC   |             |                   |            |                           | S BELOV            |            | LOG OFFICIAL.                           |             |
|  |             | _                 | HRC        | -                         | HRB                | DUR A      | T DUR D                                 | T WEBSTER   |
| TYPE OF MATERIAL   |             |                   | . 11 (0    |                           |                    | 201171     | 2011                                    | 112301211   |
| SIZE OF TEST SAMPLE  |             | _                 |            | 1                         |                    |            |   |             |
| HARDNESS / DUROMETER READI   | NG          |                   | W          |                           |                    |            |   |             |
|  |             | esters            | located in | the Q                     | uality Offic       | e          |   | <del></del> |
|  |             |                   |            |                           |                    | _          |   |             |
|  |             |                   |            |                           |                    |            |   |             |
|  |             |                   |            |                           |                    |            |   |             |
|  |             |                   |            |                           |                    |            |   |             |

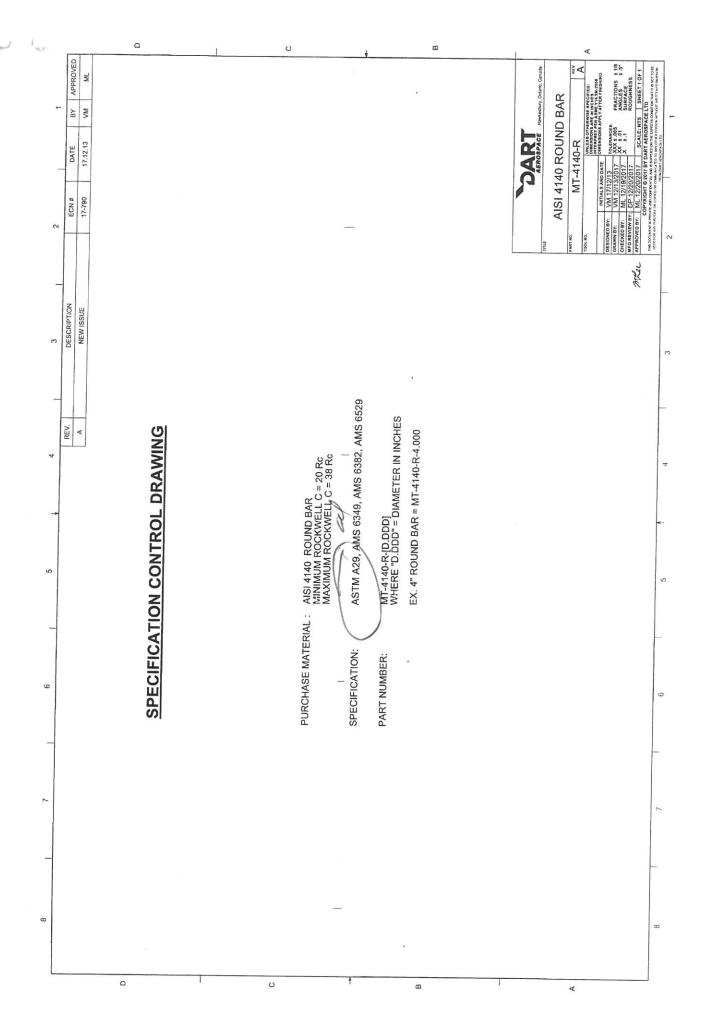
Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY: \_\_\_\_\_\_

QC 18 INSPECTION

DATE: 9-89JUN 0 4 2018



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-B-1.0000x 1000 PO / BATCH NO.: 03 9/27/507765/
DATE: JUN 0 4 2018

MATERIAL CERT REC'D: SO77677 THICKNESS ORDERED: 1.000
QUANTITY RECEIVED: 24 SHEET SIZE ORDERED: VALUE SHEET SIZE RECEIVED: NAME SHEET SIZE SHEET

| DESCRIPTION                                     | NC<br>(Chi   | eck | COMMENTS       |
|---|--------------|-----|----------------|
| SURFACE DAMAGE                                  | Y            | (N) |                |
| CORRECT FINISH                                  | (Y)          | N   |                |
| CORROSION                                       | Y            | (M) |                |
| CORRECT GRAIN DIRECTION                         | Y            | N   |                |
| CORRECT MATERIAL PER M-DRAWING                  | (X)          | Ν   | Aston AX29     |
| CORRECT THICKNESS                               | 8            | N   | 7 7 7 7 7 7 7  |
| PHOTO REQUIRED                                  | X            | N   |                |
| CORRECT REF # TO LINK CERT                      | $\mathbb{Z}$ | M   | Hest # C703742 |
| CORRECT MATERIAL IDENTFICATION                  | (1)          | Ν   |                |
| CORRECT M# ON THE MATERIAL                      | (Y)          | Ν   |                |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y            | (N) |                |
| DOES THIS REQUIRE AN EXTRUSION REPORT           | Υ            | N)  |                |

| CUT SAMPLE PIECE OF          | MATERIAL A | ND PREFOR   | M A HARDNE | SS CHECK. | -       |
|------------------------------|------------|-------------|------------|-----------|---------|
| F                            | RECORD RES | SULTS BELOV | V          |           |         |
|                              | HRC        | HRB         | DUR A      | DUR D     | WEBSTER |
| TYPE OF MATERIAL             |            |             |            |           |         |
| SIZE OF TEST SAMPLE          |            |             |            |           |         |
| HARDNESS / DUROMETER READING |            |             |            |           |         |

testers located in the Quality Office

| QC 18 INSPECTION        | ENGINEERING SIGNOFF (if required) |
|-------------------------|-----------------------------------|
| INSPECTED BY: DAS       | SIGNED OFF BY:                    |
| DATE: 9-89 JUN 0 4 2018 | DATE:                             |

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| TODA FAV. | MITALS AND DATE | DIMENSIONS APPLY IN THE SECURED BY: WAZ 1792/2018 | AXX # A1 | SURFACE # 3.5 |
| CHEKKED BY: WAZ 1792/2018 | AXX # A1 | SURFACE # 3.5 |
| CHEKKED BY: WAZ 1792/2018 | AXX # A1 | SURFACE # 3.5 |
| WAS RECIVED BY: WAZ 1792/1018 | AXX # A1 | SURFACE # 3.5 |
| WAS RECIVED BY: WAZ 1792/1018 | SALE: NY B. SURFACE # 3.5 |
| WAS RECIVED BY: WAZ 1792/1018 | SALE: NY B. SURFACE BY TO ANY TO 0 APPROVED AISI 4140 / 4142 STEEL SHEET OR PLATE ML ВУ N/ MT-4140-S DATE 18.2.13 18-544 ECN # 7 MT-4140-S-[T.TTT] x [W.WWW]
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE) malac DESCRIPTION NEW ISSUE EX. 0.063" THICK SHEET = MT-4140-S-0.063 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500 3 SPECIFICATION CONTROL DRAWING PURCHASE MATERIAL: AISI 4140 / 4142 STEEL SHEET OR PLATE / MINIMUM ROCKWELL C = 28 Rc / MAXIMUM ROCKWELL C = 32 Rc REV. 4 ASTM A829, AMS 6395 SPECIFICATION: PART NUMBER: 8 ۵ O ω 4